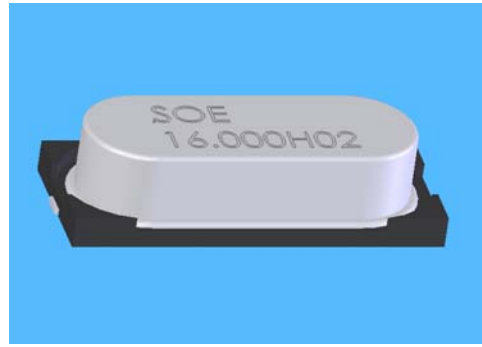


S4 Type Crystal

Features

- S4 typical 11.4x4.6x3.0mm standard footprint.
- Resistance welding for hermetical seal.
- Tight tolerance 10 ppm available.
- Tape & Reel packaging for automatic assembly.
- **Lead Free and RoHS compliant**



ORDERING GUIDANCE

Product Type	Oscillation Mode	Calibration Tolerance (ppm)	Temperature Stability (ppm)	Operation Temp Range (°C)	Load Capacitance (pF)	Frequency (MHz)
Code: Meaning	Code: Meaning	Code: Meaning	Code: Meaning	Code: Meaning	Code: Meaning	
S4: HC-49/SS SMD	1: Fund 3: 3 rd OT	A: ±10 B: ±15 C: ±20 D: ±30 F: ±50 H: ±25 XX: Special	1: ±10 2: ±15 3: ±20 4: ±30 5: ±50 6: ±100 7: ±5 9: ±25 00: Special	A: -10~+60 B: 0~+70 C: -20~+70 D: -40~+85 F: -10~+70 G: -40~+60 H: 0~+60 I: -20~+60 K: -40~+70	0: Series XX: CL Value In pF	XXX.XXXXXX
Ordering example: S4-1C4B18-10.000000MHz HC-49/SS SMD Fund ±20ppm ±30ppm/0~+70°C 18pF 10.000000MHz						
Note: If any other requirements are needed, they should be specified in customers' order.						

Electrical Specification

Storage Temp. Range	-55°C to +125°C
Drive Level(DL)	100uW typ., 500uW
Shunt Capacitance(C0)	7.0pF Max.
Insulation Resistance(IR)	500MΩ Min. @ 100V DC
Aging	±3ppm/year

Equivalent Series Resistance(ESR)

Frequency (MHz)	Mode	Max ESR (Ohms)
6.000 – 8.999	Fund	80
9.000 – 12.999	Fund	60
13.000 – 19.999	Fund	40
20.000 – 33.000	Fund	30
27.000 – 70.000	3 rd O/T	100

